

HOW TO USE THE FORSTNER BIT

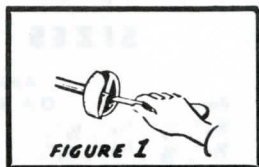


The r.p.m. and feed at which a Forstner Bit operates most satisfactorily is determined to a large extent by such conditions as the kind of wood, grain, etc.

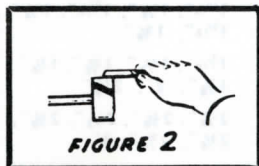
In general, peripheral speed of approximately 4000 inches per minute will be found most satisfactory. Any tendency of the chip slots to choke up will often result in burning and is usually caused by too great a speed or too fine a feed or both. The speed and feed should be such as to cut a definite chip and not a fine sawdust like chip.

IT'S EASY TO CARE FOR FORSTNER BITS

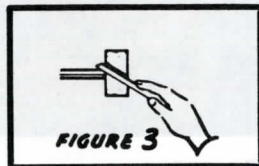
Forstner Bits naturally work best when they are sharp and the ease by which they can be kept in this condition is one of their advantages.



Take a three cornered file grind smooth at front end thus making a three cornered scraper (1); Scrape inside of circular rim until sharp, and take off outside wire edge with oil stone (2); file the cutters with a small fine cut file, figure (3).



For very smooth work take the edge off, so as to form a very slight bevel on the outside edge of flange, always being careful to have the rim project approximately 1/64 in. above the cutting lip.



OTHER CONNECTICUT VALLEY HOME WORKSHOP TOOLS

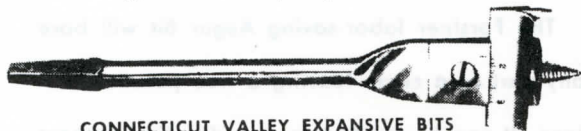


"HOBBYIST" BIT

For electric drill
and drill press

ONE BIT BORES MANY HOLE SIZES

No.	Shank Size	Cutters Furnished	Capacity
220	1/4" dia.	#1 #2	1/2" to 1 1/2"
210	3/8" dia.	#3 #4	7/8" to 3"



CONNECTICUT VALLEY EXPANSIVE BITS

Convelco Brace Type

No.	Length	Cutters Furnished	Capacity
1	9"	#3 #4	7/8" to 3"
2	8 1/4"	#1 #2	1/2" to 1 1/2"



PATENT COUNTERBORE NO. 80

3/4"	No. 36 Drill	1/4" Shank
1/2"	No. 30 Drill	1/4" Shank
3/8"	No. 25 Drill	3/8" Shank
3/4"	No. 18 Drill	1/2" Shank



WOOD PLUG CUTTER NO. 90

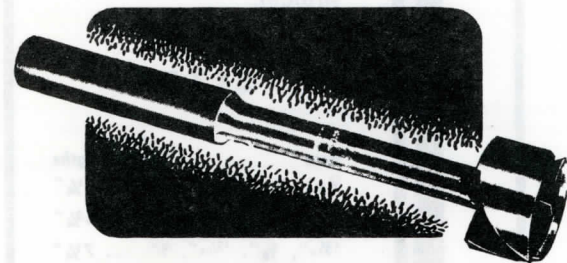
Size	Shank Size
3/8"	1/4"
1/2"	1/4"

PRINTED IN U. S. A.

NEED A BETTER BIT?

USE THE

Forstner



The choice of craftsmen for
more than three generations

SOLD BY

Div. of High Production Machine Co. Inc.

265 Newington Ave.

New Britain, Conn. 06051

(203) 225-7774

Forstner

BITS BORE WHERE OTHER BITS FAIL



AUGUR BITS

Forstner Brace Bits have square, tapered shanks that fit all bit brace chucks and hold firm and straight.

SIZES

Bore	Approx. O.A. Lengths
$\frac{3}{16}$ " , $\frac{3}{8}$ " , $\frac{7}{16}$ " , $\frac{1}{2}$ "	6 $\frac{1}{4}$ "
$\frac{5}{16}$ " , $\frac{9}{16}$ " , $1\frac{1}{16}$ " , $\frac{3}{4}$ "	6 $\frac{3}{4}$ "
$1\frac{3}{16}$ " , $\frac{7}{8}$ " , $1\frac{1}{8}$ " , 1"	7 $\frac{1}{4}$ "
$1\frac{1}{16}$ " , $1\frac{1}{8}$ " , $1\frac{3}{8}$ "	
$1\frac{1}{4}$ "	7 $\frac{3}{4}$ "
$1\frac{5}{16}$ " , $1\frac{3}{8}$ " , $1\frac{7}{16}$ "	
$1\frac{1}{2}$ " , $1\frac{5}{8}$ "	8 $\frac{1}{4}$ "
$1\frac{3}{4}$ " , $1\frac{7}{8}$ " , 2"	8 $\frac{3}{4}$ "

For smooth, round or oval boring

ideal for scroll and twist work

SPECIALLY ADAPTED FOR WORKING IN HARD WOODS

The Forstner labor-saving Augur Bit will bore any part of a circle leaving a true polished surface. It can be guided in any direction without regard to the grain of the wood or knots. Unlike other bits, the Forstner is guided by its circular rim instead of its center which is the reason for its special adaptability in hard woods.

It is preferable and more expeditious than chisel, gouge, scroll-saw or lathe tool combined, for core boxes, fine and delicate patterns, veneers, screen work, scalloping, fancy scroll columns, newels, ribbon molding and mortising, etc.

MACHINE BITS

Forstner Machine Bits are furnished with round shanks, $\frac{1}{2}$ " diameter, except for larger bits of bore size $2\frac{1}{4}$ " and over, where the shank is $\frac{3}{4}$ " diameter. Other size shanks available on special order at special prices.

SIZES

Bore	Approx. O.A. Lengths
$\frac{3}{16}$ " , $\frac{3}{8}$ " , $\frac{7}{16}$ " , $\frac{1}{2}$ "	
$\frac{5}{16}$ " , $\frac{9}{16}$ " , $1\frac{1}{16}$ " , $\frac{3}{4}$ "	
$1\frac{3}{16}$ " , $\frac{7}{8}$ " , $1\frac{1}{8}$ " , 1"	
$1\frac{1}{16}$ " , $1\frac{1}{8}$ " , $1\frac{3}{8}$ " , $1\frac{1}{4}$ "	
$1\frac{5}{16}$ " , $1\frac{3}{8}$ "	5"
$1\frac{7}{16}$ " , $1\frac{1}{2}$ " , $1\frac{5}{8}$ " , $1\frac{3}{4}$ "	
$1\frac{7}{8}$ " , 2" , $2\frac{1}{8}$ "	6 $\frac{3}{4}$ "
$2\frac{1}{4}$ " , $2\frac{3}{8}$ " , $2\frac{1}{2}$ " , $2\frac{5}{8}$ "	
$2\frac{3}{4}$ " , $2\frac{7}{8}$ " , 3"	10 $\frac{1}{2}$ "



THE CONNECTICUT VALLEY MFG. CO., NEW BRITAIN, CONN. 06051

Manufacturers of Wood Boring Tools and Hardware Specialties Since 1874